



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Global security [S1IBiJ1>BG]

Course

Field of study

Safety and Quality Engineering

Year/Semester

3/5

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

0

Other

0

Tutorials

15

Projects/seminars

15

Number of credit points

3,00

Coordinators

dr hab. Joanna Sadłowska-Wrzesińska prof. PP
joanna.sadlowska-wrzesinska@put.poznan.pl

dr inż. Marcin Berlik
marcin.berlik@put.poznan.pl

Lecturers

Prerequisites

A student entering this course should have basic knowledge of economics and crisis management, as well as risk analysis and assessment. He/she should have the ability to identify threat factors and show readiness for in-depth analysis of security problems.

Course objective

The aim of the course is to familiarize students with global security issues, with particular emphasis on non-military issues such as: global economy, climate change, political transformations, population migrations. Students develop skills of analyzing and interpreting contemporary crisis phenomena and risks of global crises, as well as demonstrating their influence on security management processes in companies of various branches.

Course-related learning outcomes

Knowledge:

1. The student has advanced knowledge of issues related to the identification, analysis and assessment of risk in the context of global security [K1_W03].
2. The student has advanced knowledge of issues in the field of ergonomics, human ecology and protection of the natural environment [K1_W05].
3. The student knows the fundamental dilemmas of modern civilization and development trends as well as best practices in the field of global security [K1_W10].

Skills:

1. The student is able to recognize systemic and non-technical, as well as socio-technical, organizational and economic aspects in engineering tasks [K1_U03].
2. The student is able to use analytical, simulation and experimental methods to formulate and solve tasks in the field of global security, also using information and communication methods and tools [K1_U04].
3. The student is able to identify changes in requirements, standards, regulations, technical progress and the reality of the labor market, and on their basis determine the need to supplement knowledge [K1_U12].

Social competences:

1. The student is able to notice cause-and-effect relationships in the implementation of set goals and use ranks in relation to the importance of alternative or competing tasks [K1_K01].
2. The student is aware of the importance of knowledge in solving problems in the field of global security and continuous improvement [K1_K02].
3. The student is aware of understanding non-technical aspects and effects of engineering activities, including its impact on the environment and the related responsibility for decisions made [K1_K03].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: knowledge is verified by a colloquium after the third teaching unit (problem tasks) and the activity during the conversational lectures. The threshold for passing: 50% +1.

Exercises: The final grade consists of partial marks obtained on the basis of the exercises and activity during the class. Pass mark: 50% + 1. To obtain a positive grade it is necessary to obtain a pass mark credit of all exercises.

Project: The final mark consists of a mark for the current work during the semester and a mark for the submitted project.

The whole ends with an exam. Examination questions and the way of scoring are available on e-courses platform.

Programme content

Issues related to building the state's resilience to various types of threats, with particular emphasis on non-military risk.

Course topics

Lecture: Contemporary global security environment. Transnational organized crime, terrorism, armed conflicts. Turbulences in global economy. Populism, radicalization, extremist social movements. Health as a problem of global security. Climate changes and their consequences for international order. Migration of people and internal security.

Exercises: Terrorism, energy security, threats resulting from climate changes, economic security, internal security, military security, selected problems connected with building the state's resistance to hybrid actions.

Project: Analysis of a selected problem from the point of view of global security consisting of the development of data on the actual state of affairs, identification of threats, forecast of further development of the situation and proposing actions to solve the selected problem and/or increase the resistance to the materialization of selected threats.

Teaching methods

Lecture: multimedia presentation illustrated with examples, informative lecture, conversational lecture.

Exercises: multimedia presentation illustrated with examples, chat, exposing methods (film, show),

panel discussion, simulation of expert debates, case study, brainstorming.

Project: multimedia presentation illustrated with examples, discussion, panel discussion, own work.

Bibliography

Basic:

1. Sadłowska-Wrzesińska J. (red.), Bezpieczeństwo XXI Wieku. Szanse - Zagrożenia - Perspektywy. Wydawnictwo Naukowe Silva Rerum, 2020.
2. Williams P.D. (red.), Studia bezpieczeństwa, Wydawnictwo UJ, 2012.
3. The Global Risks Report, <https://www.weforum.org/reports/the-global-risks-report-2021>

Additional:

1. Zięba, Bezpieczeństwo międzynarodowe w XXI wieku, Wydawnictwo Poltext, 2018.
2. Sadłowska-Wrzesińska J., Racek E., Risks and Development Prospects for The Metallurgical Industry - Conditions in Times of Crisis. W: Proceedings of the 37th International Business Information Management Association Conference (IBIMA), 30-31 May 2021, Cordoba, Spain. Innovation Management and information Technology impact on Global Economy in the Era of Pandemic / red. Soliman Khalid: IBIMA Publishing, 2021 - s. 4523-4531.
3. Sadłowska-Wrzesińska J., Kultura bezpieczeństwa pracy : rozwój w warunkach cywilizacyjnego przesilenia. Warszawa, Oficyna Wydawnicza ASPRA-JR, 2018.

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,00
Classes requiring direct contact with the teacher	48	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	27	1,00